CRAMACURATION OF RETWINDSHIELD BREED LINESCHAFF

JOSES FRANK ROSZEROW

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To the numcous students who helped eart through the substance of this dissertation and contributed to the deligroup the author is much proveribles.

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To the souther's parents, bud and loads Robotzkam, and hat All'ary passing, course and military trillectum, whose encouragement, patience, lower, and support are greatly appreciation. For the nationary dictioner, press bromber, collecfortife, and fives inc., whose pressures has beaut the initials's question important. And finally, on his wife nondry, whose line, apport, and encouragement have sent both passible and

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# CHAPTER I

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In 1889, Easter malests used uses all of the same
consected lineage on in 1889 with 2 sterry sweighed on

(10), for prints regimentation in Ex perior (EX), Night prints regiments regiment (EX), with the first prints regiment (EX), with the first prints regiment (EX), with the first prints regiment (EX) and the first prints regiment (EX) and the first prints regiment (EX) and the first prints regiment (EX) period (EX) and the first prints regiment (EX) period (EX) and (EX), where (EX) are the first prints regiment (EX) and (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX). The regiment (EX) are regiment (EX) are regiment (EX) are regiment (EX)

The two levels (breshessis) of postale supplemental with an average daily dit leader of 2.15 or more unions; at 500  $\times$  CP ba<sup>-1</sup> so so to ensure calabability and ecceptance (ht area). The following equations were went in the

rgenio matter intaka (OMI) of M7 Was

 $x = n + \lambda^{\xi} + c n^{\xi}$  (16)

X = ONI of unsupplemented 10 forege X = Nama sedem1 keep weight [150 kg]

My - former on concentration ( not be on ag-1 cm)

area significant. - (1-F) \* T

Y - total delly employeet (Ng DN)

foreign SMI when repplacements - N - TWPY (Sp. 4)

### X = (from (Eq. 1)) T = mantifuling note of foreign DM by supplement ON (E.5) P = (from (E0. 2))

Y = (from (Eq. 3)) Theoretown, emily foreign CF istano (CFIg) wh

 $\label{eq:control} \text{OFL}_{\ell} \text{ when supplemental} = \text{CP}_{\ell}(X - T^{\ell}\ell^{-1}) \qquad [Tig.]$ 

chr - ch oppositivation of firm

and the CP content of the amplement in described on;

by GP is supplement - GP<sub>0</sub>\*1 [Eq. 6 Total distany CP concentration can be described by

Cycling the mus of squations (3) and (4) by the mus of squations (5) and (4) as follows: Total CP intols\_\_CP\_SY + [CP\_CC - T+P+3)] [Eq. 7]

Satisfy desired total distary OF concentration at 120 t  $30^{-1}$  and OEI of 15 when an applemented (2) at 7,12, total 10 of applement (1) for EI equate:

0.12 \* 0.58 + (0.08(7.31 - 0.5(8.8360)))

.. .....

# . . . . . . . .

Inserting 8.769 for 7 in equations (50) and (55), the

amount of oom end wrwn in the RI augglammat Lo 0.509 KM

Dates ONE assissing upon equals the new of Eq. (4) ded  $\alpha_{\rm c}$ 

Sunsi GRZ = 6.587 + 7.22 - 0.519.597) (Fg. 8

The assent (bg) of wro used in firmulating the LO appliance is determined by first embedding total OF intuing (bg 6") when total distant OF consentration is and AC 50 g

Total CP initials = 2.05 (0.007 + 3.0) = 8.5(0.507)) [Fet \*7] amon that total cP initial for the Do supplement disk is 2.003 ym 0<sup>-3</sup>. The amount of OP Day constraints by the amount of SP Day constraints by the CP initials of Springer Co.Col No. Day, Day (12) from total CP initials (6.405 No. CO.Col No. Co.Col No. Col No. Co

10 emplement 49 = 0.113 by

the except of worm in the LD supplement (t) is columnated as:

E \* CP<sub>G</sub> = 1.113 - (CP<sub>G</sub> \*

V = 0.029 Mg

the amount of more and area in the LO supplement in 0.527 and 0.525 kg, respectively.

the S to F retio in both the 50 and NI supplements was adjusted to 3/32 (S((int and Armstrong, 1992) by antisy a

Timal Counciations (expressed as by of owns, uses and minimal in total augulement DE End your day) THE the EO and 61 may be opened by End, 0.000, and 0.000, and 0.500, 0.114, and 0.001, persectively.

Other DOLL STREET, and proceeds as smaller design little que we require year of Emission § 1.46. Per co see jude. All state sequela new relatives (or of 1 few sex particular sequelation processes, and subsequently analyses for contract particular sequelation processes, and emission for any contract particular sequelation processes to the processes of the processes of the processes processes and processes of the processes of the processes processes of the processes processes of the processes processes of the processes processes and the processes processes of the processes processes and the processes processes of the processes processes and the processes processes processes and the processes processes

4, alternativy on publishes 2 and 4 to such parties in 1507 and publishes 2 and 5 is 2509, Oursay the experimental, perform For energia streen (c.5 s<sup>2</sup>) were selected in the respective publishes to represent seem forcing availability and parties conditions of pre- and post-cytes. Depoles were citype and 5-few height and supercent into 50, week, deed, and accomposings (both performance). All thankshale composite, were described colors at 10°C for 0 h. (refs.)

which was been subject and tool section (secretary, 10°C), and 10°C for 0 h. (refs.)

218., the arm processes section associate provides we seen. The 20°C

218., the arm processes section as the first section of the composition of the processes section for settle section (the processes between recommitment (the least for section) consistent on the composition within particular types. Helps section for an arminociate on team processes seen include section as the processes seen include and the first section is the processes of the section of of the secti

Employable despite an editable A like like 2 propose saypile by a similar datapet a regimentary 30 standary assisted allow Willia the pation. The numericans being 10 per and 10 or for the pation, the numericans making being 10 per and 10 or for the pation of the pation and the being 10 per and 10 or for the pation of the pation and making a standard standard or the patient of the patients of 100 per and 1

The experimental design was completely randomized with two replications. Dessend data were analyzed by shalytis of variance using the dessent linear Models procedures. Trestment many comparisons, when appropriate (F g 0,10), wes done with prepiazona contracts; of major learnest were the comparisons between po emphisionalsalism and emphasisalism

(MY VA. 50 \* ED), her profess and high protein supplementation (AD VA. NE), and the grass-layers essectation and supplementation (AA VA. 50 \* ED)

providence were used for analysis of the period data within a new from helica hours based on the university assumes with dangers of freedom poppertion. One to wearonessful extendiabanch of manhormous is one of the vanishmen in reclinate and seriot data are presented for somewhere supposes only. The 14 treatment was not improduct in the low period model for 1988. News comparisons for treatment effects then engrowiple (7 c 0.22) type puls taken the constance storic degree of freedom contracts described above. Between period comperisons, when approximate, were also done by complemed mericania. These contrasts were and was lawsed with such of the others within a wear. Smale amples were enalyzed in a abeliar manner with much

There we so TEP by VEM interesting for animonal (84 of 1904) a. 3-2) bed show was a min affact of TEP ( $\tau$  = 4.004). Research Adv was not different stone (8 0.053) by  $\theta^{(3)}_{\gamma}$ , 32 (1.39), and 54 (0.53) but all were higher than EP (0.09) (balls 3.10). Here 200 and higher ( $\tau$  + 1.009), Tobis 2.11 in 1917 (1.01 at 2.01 Max in 1918 (1.01).

CRAIL 3.12 feet to 970 ( $r = \sqrt{(1000 \pm 0.3)}$ ) and higher 16 there was no (newtonless). Name Of (7000  $\pm 0.3$ ) are foliages 16 these was no (newtonless). The major ( $r = \sqrt{(1000 \pm 0.3)}$ ) are (2010  $\approx \sqrt{(1000 \pm 0.3)}$ ) are (2010  $\approx \sqrt{(1000 \pm 0.3)}$ ) are (2011  $\approx \sqrt{(1000 \pm 0.3)}$ ). Controlled the foliage of these with employmentation (100 + 0.00) and 100 + 0.00 are ( $100 \pm 0.00$ ) and 100 + 0.00 are ( $100 \pm 0.00$ ) and 100 + 0.00 are ( $100 \pm 0.00$ ) and ( $100 \pm 0.00$ ) and ( $100 \pm 0.00$ ) are ( $100 \pm 0.00$ ) and ( $100 \pm 0.00$ ) and ( $100 \pm 0.00$ ) are ( $100 \pm 0.00$ ) and ( $100 \pm 0.00$ ) and ( $100 \pm 0.00$ ) are ( $100 \pm 0.00$ ) and ( $100 \pm 0.00$ ) are ( $100 \pm 0.00$ ).

[25] by ha<sup>-5</sup>; then in 1988 (265) (Sables 3.2 and 3.4). None quin ha<sup>-5</sup> (new years) (see the applement transment (50 and may see the different and energy date by ha<sup>-6</sup> (1988 2-4). Sterr pain ha<sup>-5</sup> on unapplemented (5 partner (597 166 by ha<sup>-5</sup>) was similar to that on 14 (165) but host were lower than that on 1 and MI (table 3.3. Levels of probability for differences in season) ster everes duly quis (ADO), coryging especity [CO, 3200 Lees Pittopen [Disk, selend quis particul del probability [CO, 3200 Lees Pittopen [Disk, selend quis

	Jacques Various						
Effect	A00	DC .	106	SAIN	Ah		
TDA	0.009	0.000	0.487	0.389	0.325		
392	6.024	0.003	0.097	0.043	0.80		
THEFT	0.011	0.945	0.577	0.488	0.21		

		3.00		60			
	Banz			leer			
181*	1597	3900	Sean	1907	2200	2015	
		- kg -		bg	IN he"l	9-11 -	
87	0.34	6.23	1.22	1154	2664	2180	
50	0.53	0.53	1.59	2214	3120	2190	
15	2.64	0.54	0.59	1800	3211	2131	
SAF	1.60	0.44	0.13	1440	1798	3611	
Neen.	1.12	0.44		1560	1300		
1251	0.1	ng1	0.016		4	1308	

		CNIN		308			
	31	46		To the			
787	2287	1904	Next	1107	1911	3510	
		ky ba*2		3	g 100 x3		
99	297	114	1.00	9.0	5.0	1.5	
10	214	214	299	6.8	9.4	9.3	
100	229	260	241	21.9	10.9	11:4	
14.7	334	324	144	20-4	12-9	11.0	
Meso:	253	224					
EX15	21	25	22, 15			3.40	

These was 20 THE by DIRE Intermediate (P = 1.477) during associated DRS (Trible 3-14), now of 44 RRS different by year; (P = 1.487), there was a DRS offered (P = 0.097) on measured RSS such that the everages of EX (EL14 BS  $100 \times 1^{-1}5$  and  $10 \times 1.2$ ) was higher Char 97 (<.0.7) (which 4). Direct everage 42 RT (EL14 BS  $100 \times 1^{-1}5$  and  $10 \times 1.2$ ) for the sub-direct that  $10 \times 1.2$  (and ER15 on the contribution of <.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0.7) (<.0

There was no TEX by YEAR interaction for EA  $(\ell=0.214,$  Table 1.10. Instead on conscilent of all and offers between years and average \$3500 by the  $\ell^{-1}$  des 121% and 2200 by the first 1980 fides not absence. These was a main affect of TEX  $(\ell=0.614)$ , and EA for DIY was lower for EA (SVM) then the Charles were constituted by the Charles of the C

Fru-grass bardegs mass was and different among to parties and swarepast 7322 by at given hartees ha<sup>-1</sup> (meet mot about). Rowsers, pur-pass harteeps mans for La partiess was lawer time for 10 pattern. There were also me differences changing the pattern. There were also me differences absorbed in patterns wholeps mass money in partiess but protections before most first the same than the

There were treatment (FSP) by parties (FSD) interaction for 300 in 1957 or [size (Fmins 1.1). There was no effect of transmiss on 300, whose sweeped ones periods in either year or  $\sim 2.13$  in 1964 and  $F \approx 0.166$  in 1984). Average Gally

	- 10	Mannes Shrin	LL4
SECTION .	A00	66	901
		2962	
197	0.225	0.048	0.910
269	0.004	0.004	0.004
1917-112	0.487	0.046	0.245
		2388	
192	0.166	0.587	0.20
768	0.005	***	0.80

TOTABLE 0.400 0.877 0.470

multi-model to be higher; perfoliably devices the less 12-16 auditors provide partial for less perm, for enter-sequenced office outcomes (60 and 61 transcents) and for detering straight 50 auditor (70 feets for the form of the performance of the feet outcomes (60 and 61 transcents) and 50 are given as period effects and 61 partial of the second parti

Code, Table 3-10 between principle and it table 100 cm on the protect design the cliff table 100 cm of 100 cm on the 10710 periods invation to 00 cm (contented on 100 periods 10710 periods invation to 00 cm (contented on 100 periods causing the found period (il developed, necessarial to the second causing the found period (il developed, necessarial to the second periods (in Periods 100 cm terredonts). These words (in the second periods (in Periods 100 cm terredonts) about the period periods (in Periods 100 cm terredonts). These second to the periods (in Periods 100 cm terredonts) about the 100 cm terredonts (in 100 cm terredonts). The 100 cm terredonts (in 100 cm terredonts) 100 cm terredonts (in 100 cm terredonts) 100 cm terredonts (in 100 cm terredonts). 'Heens within a period represent the response the previous if d. 0 MJ, LO, and NI are No. 10v, and high protein supplicambeline of limpuress periods. In is

Ported meen ever treatments differed from to Aspect et F 1 0 61 and F 2 0.10, Respect

·

Treatment?			18 Espt.	
		)	g	******
10	0.50	9.29	-0.43	0.47
10	6.67	0.50	0-14	0.79
W.C.	8.43	1.66	0.11	9.71
Hean (0.188	1 0.42	1.63	-0.03	9,725

is dephasher (P ; 0.01). Standard error for period scann.

THOSE 7.8. CARRYING CORRECTLY (80) AM ARTHUMAN BY PARADO

	"heirst					
Treatment i	50 July					
		No IN to	e-15			
W2	2742	1900	2576	15395		
10	2779	2090	2 1 2 0	20727		
81	3888	1453	3,776	2500		
5A (1101)*	****	2771	1668	14315		

Named comparison

LO ve. EI LA ve. LO *		XI	::.	93 93	15
* ** *** ***	P 4	0.95.	2.51. and	9,901, AMS F	> 0,10,

\* Busine within a period represent the response deries the previous 21 f.

- \* MF. 10, and MI are co. Low, and high product supplementation of limpourum
- posture la la s lispograss-assobyement essociation.
- turrying expenity to aspuseed as kilogram of livewight per bettere per day.
   Person mean wible treatments different recommendate.
- \*," reryod mean wythin treatments differed from that of 80 August at P g 9.65 and P g 9.50, trapoctionly.
- " Standard error for period by treatment manual.

Table 2 9. Corrying community (CC) as affected by period and confirm Properties (C. 1888.

	Period*					
Treatment	4 845-	25 Aug	15 Sept-	# GUE.		
		- Ag SA b	4-1 g-11			
15	24.63	33105	2111	2488		
54	2723	2170	1748	2476		
82	2999	2742	2234	2475		
(168)**						
satt		2047	750	820		

Placed comparison

107 14	79.	10	+	162	:.	N5	15 15	į

AM P ≤ 0.95 and 8.81, and P = 8.18, respectively

\* Meson within a period represent the respecte
during the previous 21 4.

to by 10, and ME are no, low, and high probein employeestation of limpopouse posture. LA is a limpopuses-assocytomena association.

1 Spoulas-Assorptions association 5 Carrying uspecity is asymmetric as Kilograms of 1 ivessight par becters per day.

 Purise Sean within treatments different from that of 1s Deptember at P ≤ 1.20 and P ≤ 0.11, vanuarticals.

respectively.
\*\* Etublect error for period by treatment means.

for comparison purposes, only.

ises, or within each till was lover during the last period

so for on a number and to PSE OF a 0.000) offered has not to their interaction Pinkis 5.4). Asseq FEE, NOW concentration (see yet with for MF 16.2) tanded to be lower  $d\theta = 0.1121$ about the seconds for his and art daily (Table 1 18). Where wren M far RG (11.4) was higher (F = 0.487) them for 10 IN ST. Many Will for 20 June 1111-5 on 100 of "Jr was bloken then for to July (6.5) and 25 September (6.6), and banded to he bigher than for 1 October 19-4). In 1988, differences in - a cont to were more one to the only charte the wife warm MER DOT 4 Appeal (12.3) being higher than for 15 dephenher ra. at reals 3.311. Head upon oftenens for its takents mante far alongs on Mi posture transments. Althruth not cirrocal within warlads. Bill for XI to both years, and for to in 1909 tended to be higher than far NF.

# Secret Salathian Thin

A positionary analysis for treatment (AP, LO, and RE) affects on LG peakers (solicated that ham-pitoted Reviews of the AP of TVOOR connectantion was not affected by emplementation. Theoretics, hand-placked bothous replicates for EF, LO, and RE treatments were treatment as an explicates of LO pasters.

Trestment*	30 783y	22 Ang.	Inpt.	pet.	8000
			eg 200 eG	3	
30	3.4	10.4	3-9	1.0	6.2
LO	4.3	10-1	619	0.0	6.4
XX	10.0	10.2	33,4	16.9	22.9
LA .	4.0	32.9	13.6	13 6	39.4
****		11.4	4.41	9.4	(1-11)*

Tractment'	4 249-	15 Arp	15 Sept-	6 00

Tractment,	4 249-	15	An	p -	3.5	Gayh.	6	64
	**********		75	110	m1"1			
57	9.4		17			.1		٥.,

consentration (Table 3-12). The interestion offers on it was entered to due to send the data differences within IA. Hendstudied to bestone Of was higher for the sessed expalies date the a built but then for the first (E7) and sprint rate dates drawn revision for 65 happens tooded to be lower than for 64 bestone totally appointed during. There are no gifference to be OF means ensuling dates, with 40 everaging he a but DE over the assess. To 1888, there was a PEX office IV o dubble on concentration was highest for the first section data and sended to decides thereofter (fights 1.16). Donto another for bloker than for the third (SE). Crude protein for LC barbane Sandamber. Cycle wrotein operantration for LA delease higger over the graving session relative to 1A in 1887 (Table b. 111. Smoothe a mercral destine over the common. 16 newborn

IR 1907, there was a TITE by GRIE interedian (P = 0.004) for Widel (Debie 3.15). For All details but IS REGIST, benchylminist IA THOM was higher than that of 10 (1900s 3.15). Million in posturas, hard-placed beckers THOM for 6

Table 1.12 Leviks of grobability for differences in head-planked hardney crude protein (CT) and is vitro dipartible organic mether (TOCO) consideration due to parlous type (TTMI), empling date (BMIN), and khair interaction is 1017 and 1898.

TYPE	8.003		0.003		
3822	0.016	0.004	0.003	0.387	
DATE X 9970	6,662		0.904		
* Statistics	APR FOR	GOA WANTER	Seps and	MOLY BATE	

" Statistics are for one pasture type and unly fall is to the mode).

Table 2.12. Least against mone for hand-plucked herhops could prelate (CF) and in value dispatible departs setter concentration (FEDER) in limpograms (GA) and

	SampLing Sate*					
type type	18 243y	i deg.	23 Aug.	Le Sept		
		CF ()	xg*1;			
5.0	ses?	163	634	563		
LA.	1715	245	454	844		
cef	4.2	3.9	4.4	7.4		
		pyoon (	y kg <sup>-2</sup> 1			
66	0.6	4116	6664	58465		
EA.	6024	6524	42345	6456		
ng#	12.9	10.0	0.0	22.2		

Report (F & 0.01) Dain make within pesture types differed from that an a Report (F & 0.00).

concentration is limpograms (LAO see limpograms sensitylenses (LA) partures during mid-unner to est

\* Cates are far 16 posture complicy, 1A pastures were

2 bets seen within he differed from that on 4 Assurt IF < 0.031. 5 Hears are far a single replicate and are presented

Naques (GII § Mys<sup>2</sup>) Ord dis not diffuse from bettings emption to 20 mJy (GII) and 25 Appears (GII) by two a higher their hours from 16 Mystember (CHH). Indepopera-wavelepament parkets from 16 Mystember (CHH) in (Depopera-wavelepament parkets from 16 Mystember (GII) or Mys<sup>2</sup> Ord year Mystember (GII) or Mys<sup>2</sup> Ord year (GII) or Mys<sup>2</sup> Ord year (GII) or Mys<sup>2</sup> Ord year (GII) or Mystember (G

### ----

whereas I foliable species replications are excessed as in parties well proceed to perform the design for the parties of the process of the process of the process of the process of the parties of the

opproximately a 100% (0.30 by 4°-1) increase in delly main over nonexplananted attack. It has been supported that supplementing with ours on perture position in immunent makest gains of 0.30 to 0.35 by 6°0 per by of ours ton (e.c. Boddle, III, primed connection( $\omega_0$ ), their blass qualitation, respicately with specimans 2.5 kp one  $\pi^2$  until strong for Jens then 0.1 kp  $^2$  4 T fix Jacobson watering for Jens then 0.1 kp  $^2$  4 T fix Jacobson watering for Jens the 0.1 kp  $^2$  4 T fix Jacobson watering for Jens the Operator of Lating spins with  $\omega_0$  projection( $\omega_0$ ) and  $\omega_0$  primedy for  $\omega_0$  and  $\omega_0$  for the size of  $\omega_0$  of  $\omega_0$  for  $\omega_0$  and  $\omega_0$  and  $\omega_0$  are the same composed of the left origination. Although some assumed all  $\omega_0$  are the same constant of  $\omega_0$  and  $\omega_0$  are a same and  $\omega_0$  and  $\omega_0$  and  $\omega_0$  are a same and  $\omega_0$  and  $\omega_0$  are a same and  $\omega_0$  and  $\omega_0$  are a same and  $\omega_0$  are a same and  $\omega_0$  and  $\omega_0$  and  $\omega_0$  are a same and  $\omega_0$  are a same and  $\omega_0$  and  $\omega_0$  are a same and  $\omega_0$  are a same and  $\omega_0$  and  $\omega_0$  and  $\omega_0$  and  $\omega_0$  are a same and  $\omega_0$  and  $\omega_0$  and  $\omega_0$  are a same and  $\omega_0$  and  $\omega_0$  are a same

nephenoria [ingrediants moly) was approximately 0.010 and 0.013 has  $^{12}$  GeV, separatively. For the set the approximate, this corresponds to posits of 0.43 and 0.43 and 0.43 and of one of the order that observed on unsupplemented partners. This respects that requirementation has practical application for the pastern of Tracies.

SIMILATION OF THE STATE OF THE

that on 56. The openter purposes in second performance for HI command to that for 10 may have been due to the apparent applemented with the hagher level of tree. The magnitude of the difference in Mill levels between MI and 12 was also Larger in 1887, and MCW concentration in starce on the 10 concentrations were higher in 1989, the weight only response to summissents LO and RZ was the same, and RIW levels of electe on the 10 treatment exceeded 9 mg 100 ml -1. The BOST us or ratio of 66 posture berhaps in 1999 was well below 10 tale. 1.11. Now at al. (1870) fixed to further incress in the flow of mlorebial postage out of the cusen when the box no or rable in carified callabour-based distantal on about deta assourt the fest that the effectiveness of usus as a asystematical source of N is highly dependent on the total distany best to de ratio.

Shift pulse for where possion is war almist to those prizing is with explorations as opposite the previous and proposes in previous while amongs making emongs may at in 1979 but appeared to wake a adjuticont contribution to the eventil OF concentration to it is resistive to the pure in several. OF concentration to it is resistive to the pure in several. OF concentration at its resistive to the pure in several. OF concentration at the concentration of the pure in several of contribution of the pure in the

to the lephan contribution to the LA movel. Benjär the nestlenity los percentage of emphysmens in LA presizes, existed deally splice were 198 higher for LA than for emphysments LE (ET). Then sensitive are shill be LE CO results of School et al. [1981) of payering 60 higher 200 as LA than on LE pattern.

our the keys study for 16 time for 14 inchesses and relationships the TAL increase of the TAL increase of

perbose became in periods ware great to a liver studies height. There were no differences in post-graze harbogs asso stops the SP, id, and MI Instructs coppering that treatment differences is able were due to supplement and to posture matrials wells either them questing all members.

toriler statics have shown increased dissetticity of former with tree supplementation (coosing and tribe, 2001) Swallers and Griffith, 1997; Nature et al., 1989). Although and determined, learnessed is view describiblity of Na horizon may have contributed to improved majoral performance (ADM) with converse supplementation compared to non-explorated states in the present atoms.

onion per horizon on 56 parties new She 2 ye wa hipper for emplainment then convemplemented states. Low quick for 16 ways primarily posted to (see Co. periodically in 210), support than ADO. In discounted to the advirable and antibodientities, seems foreign to extry source proceeded thinky and successful excellationacy of everphysical posted thinky the convergence of early assess (despite has no summers for Thinking, and it reflows the reliability of with-wassen sound

# BURNLEY and CONSTRUCTOR

A lyay granting study was contained to describe a bindistant of protein specimentation on missing preferences of statuse granting his patients during this contrast proper profess. In contrast, the contrast during that the only part before librariant first an ids patients since steams interface a movement of the contrast and professional contrast and professional was varied performed on this contrast was limited, indexes, when which performed on this contrast was limited, and was recommended to the contrast and contrast and contrast the contrast and contrast and contrast and contrast the contrast and contrast and contrast and contrast the contrast and con indepose dietary (\*\* ero likely emetaboliny in the minori sing phonomous but have explaientation with corrector in a protection, interest or extracted papers to improve makes quite during the all-nearest through early fell percel or the puradic masses. A more destilled description of the observation and distribution of (\*\*) in the IX marsis emergy any paint of the protection of the observation of emplicating functions to light performance design the masses alony puriods.

initiating a impass and an assumptions has been confirmed in tails study. However, its contribution to increasing overall unitial protection in dependent upon foregoid; we estimate and contribute in later spring for thinky and measurable attaillations. The anomable that opportunity potent springs to passive with protection (or community) of protection of apparent to improving actual performance often professorationage many facility transition and one content the adversentations of the content of the content

## CHARACTRIBITION OF CAMERY STRUCTURE AND REPRAIR MUSICIPES VALUE IN LINFOCHASS PARTIES

### Zatzonesi.ie

The Cour "General Dairy" has been used in describe a pented at Time when a decidin in observed in average celly paid codes; of eachie (Eur spp) jurning conner partners. In Tigelan, a summer sharp in Add in secondly observed between between Add Thomas Department of the Add Thom

A similarities and to be such interest the ensert aliany incommon cold to quarter above the present deposition in a similar particularies observed in equal to the particularies observed in which the particularies observed in the particularies observed in the particularies of the pa

may met, however, he a occuration between SP or an visite disputable arguaic metter (1950H) concentration and ACC

There has been well approximate at 2 the cores of the forgravation point professions under profession profession for a reseast makey, Ann of return organizary fronts' short professionatesses organizary approximates and consume the same incention as administrating professional professions and confidence in which design some professional action in professional and the communitary constitutions (a profession and professional action of a professional action of a professional action of an internal professional action of a professional action of action of a professional action of a p

absolution been entitle encourage principal (Syrond).

The president's marketing's by Entition's development on the energy ancestors of the least float (is greated to the standard [Benzille and Benzille and Benzille and Benzille and Benzille and Benzille and Benzille (1974) for preparation of lost and markets (1974) of the preparation of lost and markets (1974) of the conquisitions, 1974 (1974) for the properties of the foundation to the deposit of markets (1974) of the conception of the deposition of the deposition for the deposition of the deposition for the deposition of the dep

princial by plant part and melority has been well decimanted

Les hillenders. Singup competition (Nove. Of consensation) of the starting is provedly joint them that of steam and politicals, and propose prior material ships has played a monocratical to the same water hardy plane. [187]. On the same water hardy plane plane and the same water hardy plane plane and the same water hardy plane and the same water hardy plane and the same water hardy plane and controlled through the most energy at configuration and compared and the same water hardy and controlled through the most energy at Configuration and Compared and Configuration and Configuratio

grand to parties one looking and may not in determining what plant feature are second-order byth few denses 200. This study was conducted to Scientify and the consense 200. This vitalities to General to Scientify and Scientific Accounts to Scientific and Scientific Accounts to Company actuations and Scientific Accounts to the control of the Account Scientific Accounts and the Company Scientific Accounts and Accounts a

### superials, and methods

Yares Sympactor Flack Laboratory of the Bear Research Duit near Calmoralia, Florida: Limpoyress yestures used in this Accordance to commence VI

starting on 15 July 1917, 10 pastures were empired every 21 4 beyongh LE Exptander. These suppling dates were chosente empirical with a concurrent bird graving windy that commanded on 9 July with that seeks at the four ampling dates

commands on 9-July wosh that mean of the four emuglicy dates full statute one of the four 21-d partitip purious. Seeples were taken prevent, attravantary on pendotes I and 4 is need pastons, during the grazing names. Indicates 2 and 5 were managined to a failter swamer to 1500 settled pt 20-32 through 20 managines. In 1984 the commerces Level purious purious proposes. In 1984 the commerces Level purious drawing initiation on 10-30; now to the accommendation of continues.

measurement of the pastures, pro-grass samples on profession 3 and 6 (1917) and 2 and 5 (1918) consisted of 5-ok represent and were considered to be representables of available Sammay on each of the 5 perfector transf between simpling dates. Form pro-grass sample sizes [1.5 b<sup>2</sup>] were smitected in

the respective pathods to represent and Droop wellfallify and pathods confirm. Within and Pro-cyptes maple along the pathods confirm. Within and Pro-cyptes maple along the pathod of the pathod as the difference between their confirmation of the pathod of the pathod of the their large of appl. Indight. A complete planter [1.4 to X 5.1.5] as a pathod are attributed by the pathod of the pathod of the man as a pathod and attributed and clipping the respective layers within a seed of the pathod of the path into two layers was to allow for a more description

monage from the depth layer file or elligate, burged, an administration of the collections recognition. Notice and administration of the collection of the c

ued for minespent x and Trick subjects. A modification should be subject to proceed the subject to th

ware datapained by calculating the most emission size reported for EG by Frection, layer, and whole exceptcancey is on a DE basis. Owneys beight for whole emmay is hann't on total owners beints misse a from base stuttile. Twist berhage IN back denoticy (DMRC) is calculated so the ecoduct of a total DK o'd and lever beleft, and in reported layer data. Limpograss berhans mass (60, a im a-2; ia on the sum of LE fractions first and atred and MEED  $\alpha$  CP  $N^{-2}$ The experimental design was completely randomized.

Supplement transmitted on compare IIII had no effect on compare transmitted with a supplement transmitted on compare transmitted within a supplement of the compared to 1997 on their words and it would not be a supplement to 1997 on the proposed to 1997 on the compared to 1997 on the compared to 1997 on the law supplement transmitted was not structured compared to the law supplement transmitted to the compared to 1997 on the compared t

bean transferred back to original scale (5 s., purcentegs) and, therefore, elected errors are not reported.

function, campy layer, and whele energy data: Repeated measures (assoling data) analysis of variance procedure were used. Statistics are based on the universate auccouch with degrees of Frankes correction. Mean comparisons of 10 yangs tast (BMT). Comparisons of fraction seems over aincia dogram of francam contenata, due to restrictions termset by remarked resource analysis. Setumn analysis date continues. Salactics of assoling data contracts was based on period of lowest animal performance (from Chapter III) for

### interchal composition and day parter distributions 146

Durn was no amplied data by logar interaction for any of the brainfact compounds (1020 t.)]. Proceedings used fit of either (1021 t.). Proceeding used fit of either compounds (1020 t.). Proceeding used fit of either compounds (1020 t.). Proceedings (1020 t.) of the brain of entering the fit of the either compounds (1020 t.). Proceedings (1020 t.) of the brain of either (1020 t.). Proceedings (1020 t.) of the either (1020 t.). Proceedings (1020 t.). On the either (1020 t.). On the either compounds (102

There was no interaction between layer and sampling date p < 0.0191 [to Lift (Palis A-1), not were their differences in last due to date (p = 0.1591 Table 4.4). Here to Last (0.18) was quester than Li (0.14) for the arbitrarian (0.18). While compay 100 did not shape near the season ((p = 0.13)), While compay 100 did not shape near the season (p = 0.13), This is 4.0 and averaged 0.11 [Table 4.0] and 0.11 0.11 [Table 1.0].

date  $(P=0.224,\,\,{\rm Takle}\,\,4.7)$  for Me ME. The distribution of mm jg om  $\pi^{*2}$ ; memog except fraction showed greater differences due to fraction than to amplion data (Table 4.8). Type: Tayler load of the mount to be greater than MLL which constitutes the manifest proportion of value campy ms.

Table 4.1. Levels of grubballity for differences parameter food (MAGO), lisponese [SERSOO, No wast (MERIC) in Inthia Lettings due to layer (L).

		Spring Tholas	
Aprel 3	2007	GRASS	AREE
		2982	
	***	0.001	8,700
0	***	***	0.367
n v L	0.566	9,300	8.724

1, +++ 1,022 6,312 p +++ 6,620 6,427 g 1 1 4+ 6,686 6,762

\*\*\* F < 0.00

Table 6.3. Levels of probability for differences in abole emory percentage dead (DEAD), Lispograme (SEASS), and wood (MESS) in total herhage day to sampling date (0) in limmograms postgree in 1987

125\*

Table 4.), Canegy loyer and whole concept by

Ceresee	Sangling Sote					
component	15 July	4 kap.	35 Aug.	le Sopt.	Henry	
			and Mater	la1		
Lager		-				
15.		2		2.0	1.	
EL.	2	12	23	28	17	
Neve	41	3	147	554		
Whale canop	4					
	55	1.0	175	245		
Larer			Lineogra	LA		
95	54	54	**	*1	15*	
12	16	11	73	11	71	
No. of	104	11	109	744		
Marie come						

\* Laper means over dates differed (P : 0-05) | Made campy percentage dead or Lispograms differed

LIMPOGRAM Jand/when enton (LEE), total hethops dry making burk despity (1980), total grown hashame coule protein memmenhetalen (CP) and CP Burk despity (1980) and total grown herbegs in vitro deposition asymmic

			appeared to		
RIDICE	1.69	39(4)	47	CPRD	TADOS
			1337		
E.	***	***	***	0.903	***
D.	0.330	0.003	0.000	0.900	***
0 8 5	0,596	1.114	0.408	0.803	1.934
			2255		
L	***	***	***	***	0.027
D	***	1.003	***	9.903	0.46
0 X S	0.002	0.007	0.938	9,813	0.314

Table 4.5. Canapy layer and whole memory lispograms Leaf/stem ratio of 5-wk limpograms posters separath during ald-support to early fall in 1887.

	Euryling Date				
сверссиле	16 7415	4 A09.	35 kup-	16 Sept.	2043
LASSE					
TL.	0.48	0.15	6.38	0.16	0.16
ES.	0.11	0.09	0.09	0.10	0.10
					0.433

\* Layer mouse over dobes differed (P < 0.89). 5 Standard sayers for Layer moons over debus and whole

Table 4.8 Levels of probability for differences in

3983 GF CHIN

8,005 \*\*\* 0,003 0,113 \*\*\* 7 < 1.002-

Table 4.7. Levels of probability for differences in limpopous terrison cross protein (19) and in with dipositive equals matter (1900)

witto digeowinia sepanda mattar (1900) concentration, and important hardsame mann to emergy fraction [7], compy layer [4], ampling date [8], and that lateractions, shale compy abelysis by soupling date in

67	14504	181
Lesisi		
***	***	***
0.189	***	0.148
0.063	9,207	0.034
Lea		
***	***	1.00
0.433	***	1,177
	0.189 0.083	0.189 0.003 0.207

0.434 8.439

9 0.915 0.045

# Table 4 s. Lispogrees berhap mose for enemy fraction and layer 5-sh lispogrees partire regrests in 1987.

		meng);	ng Ewte	
Connect Compenses	2139	A 200-	25 26p.	Sept.
		5 D	2"	
EXHIUMOS				
935	924*	569	660	570
WAA	333b	1890	1410	1455
LLL	440	410	370	420
148	45500	5400	ease!	43.64
asc.	40.3	41.4	45.0	34.7
Layer				
Spper	3547	224	2349	233
Lever	6827	607	****	400
88	69.1	92.2	44.2	50-3

" Frection mome within dates follows latter are not different at the 0.0 \* Date mean within fractions differed 4 Ampuni (F g 0.05). I The megnitude of the difference between layers

August (F & 0.00).

FF Standard across of the year.

the greatest proportion of whole sensor DR was in 114 within said explict date: Lower Layer atom 12 wes greatest on 4 named and any the mater quatributor to differences in laves MN cour the season. These won an interestion between Layer

and marmalist date for EM (2 = 0.00), Smile 4.71. Lawy deten were not so great so the difference between layers for the second appoints date. Layer 30 differences dur the last empling date were similar to those for the second date. There was an interaction (F = 0.004) between lawer and

contracts of exagling dates within each layer (i.e., the second assoling data versus such of the other execting detect payenled that the interestion was due to the magnitude of the layer difference for the first excelled data being lass than increase over time compared to no change in UL 8650. Oppor cesspy Layer DEED tranged from 668 g m<sup>-2</sup> on 4 August to 1318 g a-7 on is Destantey. Analysis of whole sesses DEED Highle August (1991), only 15 July (1818) was lower in whale except

dates (se and 55 cm, respectively) (Table 4.50. Ourcey

Table 4.9. Total harbage dry natter built density (DMIN) for campy layer and whole manage, and campy balank of b-vs. lipposesse pasture revrewth desire

Fancour		dangsing Date					
ocepones L	an outry	4 Aug.	15 Jug.	14 Sept.			
Lanesz		y B	(10 mm				
er.	1371*	168	3182	1235			
u.	16461	9734	3444	3300			
483	247-1	268.9	379.4	225.4			
1299.4) F	25391	1391	2524	833.7			
Moste canco		Store	y melans				

		Shorts	mists	
30x3x_6x0xxx	58	55	44**	42"
* The magality of the control of the	ods of the	different	m Datumen L of from black	100 d

within a seeming date differed from that on a August (P < 0.00). I Date seem within impers differed from that on a

Shandard array of the mean.

Mean differed from that in 4 august (F < 0.05)

Shandard array for whole unappy sampling date

<sup>\*</sup> Shandard arrow for whole usangly sampling date searce. \*\* Name Alfford from that on a August 7 < 0.00).

assight for 25 August (46 cm) and 35 Dephesber (42) were but lower than for 4 August.

In vitre disestible arrange satter concentration; INF

There was no larger by sampling data interestions (E = 1.574, moles of the third, term straings TEGOR connection(in). Open larger TEGOR except in  $M^{-1}$  out over the assets of two question than Lit (Lit  $q \cdot q^{-1}$  out TEGOR (over the assets of two question than Lit (Lit  $q \cdot q^{-1}$  out TEGOR). Assets was a quantity distillate in TEGOR (over the assets), however, only value coupy TEGOR for 16 deptender was different from that for a Aupport.

well emission of the P. F. LIVIY for the Manager TVDS consensations from the Continue of the C

## wals 4 13. Total green bestiege in vitro dispertible are matter occurated for far manage layer and whole wanted

	rangiled back					
Cuncyy component				16 Sept.		
Lenenz			a pa_;			
UC-	600	554	373	144	202*	
SA.	639	833	533	692	527	
Heen (e.s)i	573	562	844	120	(5-5)	
MOUTH ENCORA						

(2.0)\$ 504 543 534 514\*\*

(2.0)\$ 504 543 534 514\*\*

\* Sayer means over dates differed (2.5 5.85).

1.5 Sheeled arrows for layer means over dates, date person

Deer layers, and whole cucapy meen, respectively,

5 Date meen over layers differed from that on 4 August
[F & 0.00].

1 Date officered from that on 6 August [F < 0.00].

here has hee dept.

Clarences is fraction seems over deter. Layer women over deten differed (P < 1.85).

There was a smoothing data by larger intercention (F + Gall) raw total upon a feating of reconstruction in their [Table 4.4]. Within layers, which conveniently an intercent among employing others are to the CP data with vary cover the associated among analysing other layer of two already before the manufacture of the convenient of the associated of differences written many amounts of the convenient of the a popular (10  $\pm$  97) was lower than for 15  $\pm$  200 (10  $\pm$  0.5 and 15  $\pm$  10  $\pm$  10  $\pm$  10  $\pm$  10 and 15  $\pm$  10  $\pm$  10  $\pm$  10  $\pm$  10  $\pm$  10  $\pm$  10 and a filtering from the first in Equipment (11).

The sease of the s

oble 6.12. Total green herbegs crude probein concentration for emmany layer and whale county 5-w limpograms peakure regrowth during mid-measure to

		mespit:	g Bete	
Canopy rosposers	15 7417	4 Asp.	25 Justs	16 Eagle
		1	q <sup>-1</sup>	
LECUE				
DE.	63*8	54	617	50
15	37	34	39	39
224	2.2	2.4	3.4	4.4
Whale cancer				
	475	49	47	44

The magnitude of the difference between layers a empling date differed from that on 4 Ampust [F 5 0.05].

face mass within layer differed from that an a huga-(F g. 0.05).

Handard Street Com that on a hugar (F g. 0.05).

Standard error of the meet. Hear differed Eres that in a August (F.g. 0.05). Etaplord error for whele emergy empling data means able 4.13. Companies backage stude postale occupantation for catogo fraction, lower, and whale manage S-ak

		BangLing Sate		
Canopy component	25 Zely	Aug	Mag.	14 Sept.
			lor")	
Traction .				
667	89 m²	904	1804	554
ULG	616	310	41b	145
SEE	72b	810	Ste	940
568	3148	200	30e	304
85	9.3	2.0	4.0	3.4
SARWI .				
Spper	63655	124	074	487
Sower	19y	327	199	269
66	3.0	1.0	4.0	5.5
Made_strong				
0.0**	43.7	28	43	49

parts age not extension at the 0.20 level by CMIT. I gats sent within fraction differed from that on 4 hopest (F g 0.00).

I tayer means within deten delibered by the same latter

<sup>1</sup> Date more within layer different from that in a

I mean different from that on a hugest (F & 0.05) " standard error for whole company data means. If flandard error of the mean.

empling data (41.5 g  $3g^{-1})$  and tended to be lowest for 4

Apport.

There was no Interesting O = 0.000, between topics and sequential matter of the Late Terms between 1000 in 1000 (Table 1, 1000

When analyzed on a vhole compty heats [Tobbe 4.6], there was a supplied onto affect (P - 0.102) as to total passes between event each thin (900 was higher days 2.8 Appex (19)  $s^{-3/2}$  and 16 Appex entry (900 was higher days (210). Mobile Compty (910) for 15 (34) Y (27)  $y = 3^{-2}$ ) when not different from 4 Appex (19) and (34)

## Automical composition and dry matter distribution; 116

As in 1827, there was no layer (P=0.312) or date (P=0.607) affect an MEER parameteps (Table 4.1) nor was there a mangaling sets affect on sholds enough with percentage  $(P=0.817, \ \text{Table 4.2})$ . The WEER component for whole enough waysped it of total barbons must be  $(P=0.817, \ \text{Table 5.2})$ .

## TWO: 4.14. Yeard green hericage couls protein bulk density for encopy layer and whole manage 5-wk

		Samp 1	ing Date	
Симору сопроемой			20 Aug.	
Lares		9 1	r)	
95	1346	67	724	79
El-	199	14	133	1992
537	13.0	13.9	13.7	33.7
their exec	OZ.			
(2.4)	72	78	935	2015

within a mampling data differed from that in 4 Agent Pf 0.850. Onto men within layer differed from that on 4 Agent Pf 0.850. Agent Pf 0.850. Agent Pf 0.850. Beach. Beach of the person of the person

shows). However a simplifying the ty lever (stereosism () < facility for processing 1000 (1)). Such leavings accounts for 191 of vietal (hardways assessed 191 of violat compy introduced for 191 of vietal (hardways assessed 191 of violat compy introduced for the first assessing lates, (197 bigs) 70464 (1)). Phillicely the table supply as a processing of doubt compy between the forecast dumply as a processing of doubt compy between the processing of the same of the control of the con

6.666, 700% 4.3) for percentage IO that was due to between Days differences asking quester for the first employ distributed that put of the control of the control of the control of the that of IC ballage and TH of ID between for 10 700; Linguigness as a provincing of shells enough standard was did not differ termes ampling dates and assemble 810 one the assemble.
Advances of IG AUR in 1500 (Table 4.0) showed a semble

dets by layer leads as a recovered to the recovered of the player independent (r = 0.002). The left for CC less of L. on 19 12/19 wes 1.33 and 0.23, respectively, and there is 12/19 wes 1.33 and 0.23, respectively, and there is 12/19 wes 1.34 and 0.23, respectively finish 0.100. Marfyrien scale by layer for 13 Journal of 18 september were not different from that for T displayers. A supplied mile affirm (Choice 6.11) is not once oneay 12.0 was due to the high last for the first supplied as a war described down.

make 4.10. Easing layer and whole manapy hotencoal

	Sumplied Date				
conponent component	20 3477	17 Aug.	T Supt.	20 Sep	
laver	*****	Dead Me	serial		
EL.				41	
14.	25*	5*		1.1	
Whole Cand	as a				
	127	29	6	112	
Lane		Lisper	CHIA		
95	545	94	90	19	
EL	74.4	10	65	84	
Made, page	EK.				
	12	82	84	85.7	

\* Ente mean withits layers differed from that as 7 september (F g 8.65).
\* Mean diffraced from that on 1 September (F g 0.00).
\* The magnitude of the difference between layers

where a marging data different node that on  $\gamma$  legislates (F  $\leq$  0.00). If  $\gamma$  0.05.

Conneg		propling Date					
	20 July	17 Rays	3 Supti	24 Sept			
Legaz							
UL.	1.11*5	0.42	4.40	0,48			
1L	9.225	0.15	0.33	0.14			
125	9.654	0.033	0.054	0.05			
Whale censo	×						
(0.021)*	0.425	0.26	0.20	0.23			

Sate mean within layers different team that the proposals of the same. Here aliffred from that on 7 deptember (P  $\leq$  0.00) when aliffred from that on 7 deptember (P  $\leq$  0.00)

These was in differential of c disculptures from the sum of the

Effects of layer and employe date on Nath National States (Nation L.) were skilled to become a 1340 (Tobbie L.7) and 4.131. "Open layer cold nearling date (Nation L.7) and 4.131. "Open layer layer cold nearling date (Nation L.7). "Skill the employed of 25 (Nation L.7). Skill the employed of 25 (Nation L.7). Skill the interest of the samest properties. Implicit place for first an employ of the same compty (NBC (Nation 4.4)) was skilled for the employed cold strates on LE 2000, leastering emoges in LE 2000 constructed employed (NBC 2000).

Campy height charged over time (P = 0 006, Table 4.4).

Campy height was lower for the first (34 00 and left (34) annother dates than for 2 indicates (33), (compy height was

Whole Concey Analysis:

Canapy cospensat	Zampling Date				
	2412	17 249-	nept;	26 Sept	
Exaction					
WAS	6594	160	790	550	
156	1394	1169	1250	9334	
640	0.09	630	551	52e	
EAR	garself.	facce.	51.60	2004	
615	14.0	34,4	14.0	14.4	
Leges					
Typer	2225	211	297	336	
Sewer	276	465	568	4425	
11	14.7	58.2	24.1	37.6	

Sinte more within larger differed from that on 7

Plandard arrow of the sear. Near differed from that on 7 deptember (P & 8.65).

highest for 17 August (55) and was higher that for

differences is total queen harbory ITOM connectation in 1948 secured only due to input (P=0.01), Table 4.4). Pages II. DTOMO (RAI 9 Myr<sup>2</sup> NO) was higher than for LL (RIO) [Table 4.10]. Shole enemy ITOMO sid and nitrat due to expling date (P=0.13), Table 4.1) but 410 tend to decline

These are all information between fraction and washing in ( r = 0.000) ( of the behave PADS of measurable in 1981 (Deble will), which is the first three empilies determined by the part of the par

		Seep) is	ng Date		
Conjented Conjented	24 3427	17 hays	7 8495.	20 Supt.	Ness
LAYRE			8 x3_3 -		
EC.	573	512	554	513	541"
IL.	933	124	534	53.5	530
					(9.4)

ana onav dates diffused (F g 0-25). Larrow for layer manne over dates. NE 7 > 2.40.

male 4 21. Limpogrees berhage in vitro dopestible organia matter seminational for catogy frantise, layer, and whole

duropy coeponent	23 347y	37 3mg.	supt.	Stot.	
			6g*1		
DOUGLESS					
935	5542*	1042	5390	558a	
95.6	6814	1924	5934	5884	
LLL	5350	519b	5346	9624	
666	1340	5439	53 No	3140	
68	18	3.8	38	14	
Lages					Zenz
трриг	574	1112	584	564	2449
LOWET	533	120	540	51.0	122
					12.50

\* Proofice means wishes datas religiously the mean lather age not different at the 0.05 level by CROT.

1 Leyer means over datas differed (7 < 0.05).

1 Layer means arree of layer means ever dates.

## Standard error of the ness. ## Standard error of the ness. More was a margine dail by large Libercettin (Re waster before). These backers of margine claim 1, 10 feet ed.). This was date to the difference between 50, (10 fe year) and Lei (1) are also in the difference between 50, (10 fe year) and Lei (1) feet and the late between 50, (10 feet) and 1, 10 feet and 1

Companies in 187, Tell State (Control of the State (Control of the

reals 4.22, Total green herhaps souds prote

	Susplies late						
caspenent	24 7177	17 kup.	1 Eug5.	IN Hept.			
Princ		q 3q					
95.	334**	41	72	68			
LL.	549	4.3	28	4.3			
est <sup>3</sup>							

y<sup>4</sup> (1.40) 25<sup>4</sup> 40 5 The mention of the difference between laws

within a compling date differed from that in 7 matches (F g 8.65). \* Into mass within leyers differed from that on 7

- take mean within layers differed from that on ' September (F.s. 8-05). Standard error of the mean,
- \* Stagment error of the meet.

  | Mass differed from that on 7 captamber (F < 0.00).

  | Standard error for whole cappy english date meets.

		649)	log livia	
Canopy component	241y	37 Aug.	Sept.	26 Sept.
Zenasilan		4	69°1	
650	132a*1	1264	330e	162al
ELF	Sect	540	460	414
565	38768	949-	176	120
556	334	206	31.0	330
66	4.0	0.7	4.3	2.2
Leges				
TOPAT	100x414	65x	Nec	66×
Lower	1154	449	36y	63y
13	3.3	7.4	4.0	2.6
Whale senses				
04-3099	6644	27	45	42

Replember [F & 0.01].

\*\* Mass differed from that on I deptember (P g 0.95).

Il standard error for whole campow data manne.

greatest for the first sempling date and bended to be loose

This green before (REO one affected by a subplicit block by a prompt layer interesting 19 × 6.01); and 4.01. Critic 4.01.

### -----

It has how anymout by amounts out Bernstin (1889). We that the satisficialized of could related make between solid production (necessary and products with the satisficialized of count related to deposition production (necessary) by the satisficial production of the satisficial countries of the satisficial towards of the satisficial behavior of the satisficial beha

#### Table 4.14. Sobal grows housego drade protein ball desaity for compay layer and whole enough 3-48. Limourane ballary responth doring mid-enser 4-

sectly fel	3 le 2500			
		Energi	Leg Sato	
севрепен		17 Aug.		
LANKE		9 X		
XX.	92*0	67	59	60
ELL.	2289	80	99	2348

103

within a sampling data differed from that on Y samplember (F g 0.00) 4 Outs mean William Lawren biffered from black on T

Date mean within layers differed from block on T Sephember (F & 0.00). Standard error of the mean. Hean differed from that on 7 September (F < 8.05).

scanno area da serie caray ampril and an

(1832) has electrical on partner strictmens that Lincoply, vick these option temberson and intensival the company of their interminationality. To the content content, life posterous were obstantization in all effort to determine what passives attributes any news contributed to what depression is animal partnersons that was observed (Dospite 217) Authory, notational compositions tended to vary factores

Although bendered requestion touched to VCV Extension (Degree and demander resiles, Chane are an Editorial touche interaction composition was mixed to demand to select performance on in glassics. These Dave we shades reduced to properties of deal analysis in the newst compay trains to an experience, marries are force (Intel) opposite that they are loss timing to quasa hand layers of a greas erest compay processing of feed material. In the mercan-where, processing of feed material, in the mercan-where, and the company of the second company on the loss of the 5 (100). However, the incidence would be implied to the own of a possing provide, CHILL where the second tem and processing on the loss of the second of the second of the loss of the second of the second of the second of the second of the loss of the second of the second of the second of the loss of the second of the second of the second of the loss of the second of the second of the loss of the second of the loss of the loss of the second of the loss of los

training addate abow a preference dure leaf over stem substick and, when given the operatority, will select leaf (demok), 1860; these and Stocke, 1870; Pupp as al., 1860; Lispoprase life was consistently higher in the opper density layer and the ratio within logars remained relatively consents facts the first pariod of the senson uses it was coppy layer was consistent with regiões reports (Rusland et al., 1989; millenbeyor at al., 1888a; mattanharmer at al., estective greaten for lend own has a natritional disadventage. particularly in swarts where there is a high degree of vertical variability in LET. As described by Misson (1881). this dissiventees is related to the greated animal becoming current and then continuing to extert for less over though very little mer be arresent in the lower concept. The 15 where Th lift was three to six times bigher than in 11. Ang. 1897 and 7 days. 1982 were due to a pediction in whole namery into bosaver, because LEE was statler over the last 43

by matter bath density was lower in the upper half of the enough that he lower helf. How set at 1. [137] reported that total baid sensity of a Liverseytyment association formation from the up to the hass of the assays primerly senses in both density was quested at the heast onesy host density inference truth, but it now meaning a maked onesy host density inference truth, but it now meaning subtiles ones to the formation half county such density was primerly due to so increase in this Liriches (1978) reported that head layour of Indizzi gazzant. NAC CLIEBEL SEGMENT SEASON IN A SEGMENT WITH PUBLISHED SEGMENT SEASON IN A SEGMENT WAS A SEGMENT SEASON IN A SECOND SEAS

pain and possibly physiological materity, was greater

Ministry to previous requests (Ministry M. 1). 1981; "In execution making an internal section for the section of them in a financial section (Min. 3) to receive the leaf person of the section of the se

appeared to be lower than in 7881. This was partially don to a higher in Dim 1. 1982. To beat pasts, whole compay or commonstation we lower studied that they of the essent beat lowest ADS was observed. In 1894, To struck between Cr commonstation was lower at the accord secular fact the they commonstated was lower at the accord secular fact the best be first and highly dates, but no amplies date differences was detained like M. CP. Both II mat M. Cr secondariates was been highly of the Time that the Dim 1894 and 1884, here for the Time that the Dim 1894 and 1884 and 1884. third parked CP tanded to be lower for both layers then that at other dates accept for the fearth period ti-

Occurrence in generally down policy extends on the department of a generally down policy extends on the department of a depart

the top of the compy is not an entire on at the home. Higher CP (as will as \$1000) memorization in 920 empayed to \$25 was not 1 billy well-set to according differencies. As leaves notice, N tends to is apported to replace of softwar quote, resultings in a set time of the nesters place parts (Date and bifer, 1922, 2829an, 1994). There was measurem reports to the literature describing

the decides in IP Concentration with elevating statisty of ands copylind [Biffeed and Supples, 1981] on Layer and Eleva-1973; and Layeries (Bilmes and Neight, 1971) ginary. Assembly that (to berdeep was estimate and provide for each supplies date in the courtext copyle. Not 10 berdeep would not of approximately the same substity for some sampling data. Thousaffeet, (Instances observed in 11 to Berdeep, or 1981). onesactions over wegling does were linky due to Postore these those devosing stutting. Addit in 40. [1819a) charactal assemble varieties in Land-plusmed (P encembration of reluxiations[1-1900] and processing logistic flowers in the striphased this to decay as processing logistic flowers in the ones that differences in 15. (In any to expelle assemble one weighting to 55. (P encembrations, puriodaty) stutems that first and usual managing datase. Verticals assems data = Dampy 8, to Lowers, counts in accounted for simply by shaupes as 15. LOWERS.

In data comparis was extended ordering supplies of the comparison of the comparison

some compay page emission better quite que demandant and a friend maries bette (miller 18 to 18

## maxry and Completions

A whole was combined to identify and describe changes in compay electrons and desage natrities wish on ID paster and to make infrasione about purpose and predict attributes that may be contributing to the connect charge. Dividing the manufacturing like parties when feel when compay date. No experience of ID parties them feel when compay date. No engine pasters within the feel when the contributing the law described as of the postal postage composent, however, sould be described as the most important former contributing to the numer sloop conduction. There was an indication what behavior composition, DM bulk density, or 1700M occompletion of GD passage contributed to the law animal performance that was densived during specific purious in each

Of the Joseph and preture attributes assessed in this state of the sta

# CHARACTERIZATION OF PETROON FORM AND OCCUPATIONS OF

#### Entered

mon progical years qualita and it fiftees compare as a discountly low material works, particularly the secretal for comparing the first works, particularly the secretal for comparing the comparing the comparing terms of the comparing connectivation that we have to quit' an attributed to light about the third section of the comparing terms of the particular lower than the electron section of the particular and lower than the electron lower particular and particular lower than the electron lower particular and particular lower than the electron lower particular and particular and lower than the electron lower particular and particular and lower particular and the section of the electron lower particular and lower particular and the section of the electron lower particular and the lower p

or whole compay samples has traditionally desire used to of last partially describe the solution solution value of spectra Surpey. Actual 20 worklooding, knowner, one ways considerably from observed 00 concentrations (MDC, 1950). The partitioning of plant into record code code determine solution con Documber 1971 have been used to enthance to validate and Documber portions has here used to enthance the validate deprohesibility of workers for fermions (Doblin). el, 1904a) manhacon and wolls, 1994b). This has been pelamelly is response to the current explacio on destinguishing necessor punishly dependable and undergradule powerin as well as indignatible protein in feeds (ficheci and

we believe in a consecutation of pairs statistic by grade or an extractive based on the Uniformities. The statistic based on the Uniformities was a statistic based on the Uniformities which is the property point without the finite of a mean and patients of parameter point without the finite of the consecutation of the contract of the contract based on the contract base may be expected by the contract based on the c

Therefore, a more destription monomount of force of forces a, particularly of tropical flowers greame that are law in 8 constitution, was to invested. The edge-time in this i-yr study were to consenterian assessed changes in the

## Noterials and Nothedo

The superisest was conducted in 1981 and 1986 at the Promps Environt Platf Abstractor of the Index Ensemb This! Age (statemilia, Pierfels. Househts limpupess pastern used in this study were part of a consupress stated practing ships and a description of the pasterns seed blood assessment, was given in Omprier III. Seepling prosedures and seeple presentation for linguages belongs to described in Omprier presentation for linguages because and searched in Omprier 1989.

All liquerous freetines, i.e., upper layer last GUEA, upper layer (GUEA) (user last end GUEA, of GUEA) (user last GUEA, of GUEA, user layer size (LDZ), amples were restrict for SDT, MCMT, AMT, and AUTH. A modified aluminos blook dispersion procedure (GUEA) (user last 1975) one desaffermond collectmenty (Dembérens, 1977) were used for all # determination including appropriate standards and blooms.

Sesteral deteropant (Shord was decomined by sufficient the amopte in material deteropent solution on distribute by Guering and Vom Somet (1979). The filter residing was collected by filtration through thetena Resea Angle 212 filter paper of howem dry weight, washing the residue with hat distribute water end remong with soctoom. The BTF mention plat filter paper was acted (1870) and wisplat, security distributed and acted the paper of the confinence with a botto of set presence to colour filter paper to initial supple (no. Niverpos in the set president paper) to initial supple (no. Niverpos in the set president paper) to initial supple (no. Niverpos in the set president descriptor filter (Ni besis) and 2021 were determined to a skiller entery using anial descriptor splitten and described to (overspee out the 2021 (1976)).

the sample in distilled water (i.e., but-water satraction) apposition to describe and Ten Esset (1970). A wolf-fortion was made in the procedure whoreby true protein in the bot water fillings was quartified using a precedure based on the of protein-dry binding. The filtrate from each but water correct was collected in a versus field, cooled to room temperature and brought to values in a mon-al volumetric flack. A 15-el alignon was below from the filtrets and stored at 4.5% until essayed for protein. A commercial epocifications. One milliliter of protein seaso researt was stock boyine surum albumin etendarê diletien martem in a

difference between total N and bot outer extense residue N and adjusted for the quantity of type protein in the bot ventor (linewis, as observated by presidue mean; Osli nonicate (poscal) well) from protein N (00009) was estimated as the difference between but wells extra extra residue N plan Two scrabes in the bot vettor (linewis and NN).

Skipeges contain in angewest of g. \*\*\*. ROUTHS for the party MITTER, PRES, PRE

wale compy heats by extendeding the sum of weighted contributions of seepenting fractions. For example, appear loyer for eccentration in calculated so the mas of GLL and GLL SEE sector disidad by the conduct weight of GLL and GLR backage heats.

The superficiently design was completely resolution (10) 6 and \* replication(s) in 1847 and 1819; sequestribly, first lating senior partitional superstate of processing free comparation (LLL, LLL, LLLL, and LLL), can compare the superstate of the comparation (LLL), and LLL), can LLL),

of franks convertion. But comparison of swapp fractification, or comparison of swap process or comparison of swap process or comparison of fraction group text. DEED; who appropriate to appropriate the process of franks manus convenient and appropriate to appropriate the process of franks contents, not to appropriate the process contents and the process of the p

### attons

## ELEGOPHI SURLIGHICANI AN

Here we as a comparation by secondary for the Contestion  $P_{ij} = P_{ij} = P_{ij}$ 

### variables due to limpourses ememy fraction (F), takingy layer (L), ampling dels (L), and their interactions, and whole compay analysis by empling data in 1887.

				644 YAL			
Effect	TH.	906	9005	ROGRES	ALF	YOUR	ALITY
CHRISTY, P.	motion a	makysta	ń.				
7	***	***	***	8:895	***	***	***
,	0,046		0.191	8.006		0 144	0.900

# L 0.204 \*\*\* \*\*\* 0.005 0.000 0.394 \*

x 0 0.000 0.750 0.760 0.366 0.366 0.263 0.0

# shale Groop Analysis:

\*\*\* 7 4 9.601.

Traction		( )	/4	
155	1.34*	0.59	1.39	1.16
TLG	1.741	1.0	5:39	1.00
566	0.49	0.79	0.50	0.46
556	2.35	7.54	2.34	2.54
	8.34	0.30	0.27	0.23
THUSE.				
Toper	3.24557	3.97	2.247	1.4y
Lever	2.60	2.2*	2.14	2.7x
68	0.09	0.44	0.46	9,43
Water evening				
	5.7	5.0	4.0	4.4 80

letter are not different at the C.O. level by DWT.

<sup>\*</sup> Date mean within layer differed from Whot on A

he ar was man 2 in the Lt. The scott of F in 555 represented 33, 00, 00 all 410 CHLD compy in within sone of the respective amplitud gates, On a Joyot Basis, which so contains in the EL was present for the first empling date than for the amount. Lower Joyot 2 content side but difference semigling gates. While sammapy to Outlant Sid but difference semigling gates. While sammapy to Outlant Sid but difference semigling gates. While sammapy to Outlant Sid but difference semigling gates. While sammapy to Outlant Sid but thinked Sid Date Sid D

There we an intensitient (F = 1,000) before fraction as supplied as the "consecution (finish 1,111, 1994) and supplied as the lowest for consecution (finish 1,111, 1994) and the finish the lowest for consecutions of all fractions of the consecutions of the finish the lowest form (finish 1,111, 1994) and (finish 1,111, 1

Empling date did not effort SOTS on either a layer, or whate enemy beats (TWGs 5.1). Fractions differed in physical Number of State (TWGs 5.16) over empling dates (TWGs 5.16) over empline dates (TWGs 5.16) over emplied dat

Table 3.3 Compy fraction, layer, and whole commyy masteral determinent floor communities of 5-wk limpoprose responds in 1847.

		Exepti	my date		
Desopy component	All July	Ang	15 Aug.	16 Bept	
Fractics		4 10	t ps		
00A	6504	6794	6164	4134	
052	24234	8040	#04b	#3.9k	
154	71607	7600	7097	72447	
366	#25e	4334	8324	453 ef	
48	9.9	5-3	6.6	9.6	
Language					Mileo
Spper	700	774	773	787	77.25
Lower	809	620	122	843	#13
man (5-3) <sup>‡</sup>	702**	797	798	814**	(5.3)
shale savery					
(4.2) 66	28899	807	809	82299	

ere not different at the 8.65 lead by DNO.

Deta man within fractions differed from that on 4 August (7.5 5-40).

Layer means over dates differed (7.5 5-5).

I standard agrees for least manual good dates and date manual

"." Plandary arrors for Layer manns over datas and date as over layers, preparatively.
"Ente mean over Layers different from that on 4 August

The same over impare different from that on a Angust (f < 0.00).

## Mann different from that on a August (f c 0.00).

Standard scree for whose cempy data mana

		Stop 15						
Canagy component	21 July	Acres	Ang.	Sapt.	Kean	COST	CTARL!	
fraction.		9	ky"1	mor				
955	12-4	14.7	14-9	33.5	13.7			
954	5.3	5.3	5.3	4.9	1.2			
TAX.	9.7	13.3	23.8	22.6	11.€		***	
150	4-3	4.0	4.2	4.0	4.3			
Money (9.4	75.45	9.3	9.4	9.1	(0.51)			
Spper	7.4	7.4	9.5	6.5	2.4			

Legar means over dates differed at the come launt.

July, Secretal designed frame is mercelectular apparent to a continue man service provide call and active the layers, withhoop in ECTV was higher than that of LL. Left 90% and L. Left 90% and L. Left 90% and L. Schott was supercolatedly in a time data energy, showed 18 ASPV was supercolatedly in the layers of the LEFT. While energy fifty energyed is 4 pills, finguishe data was due to be a production of the layers of the layers of the layers from the layers of the control of the layers of the layer and a firm was journ fractions; and state congression in cold left was journ fractions; and state congress or and left was journ fractions; and state congress or and left was journ fractions; and state congress or and less supplementations or delicated fractions for and less supplementations or delicated fractions for and less supplementations or delicated fractions for the supplementation of the layers of the layers

Difference in SHITM is \$2.000 km² in one for the formation and sample fine him with their information (SHITM). There was no difference in SHITM belows the SHITM in SHITM belows the SHITM COLUMN belows the SHITM (SHITM). There was no difference in SHITM the same large state and particular in SHITM (SHITM) than the SHITM is shifted as the SHITM (SHITM) than the SHITM is shifted as the SHITM (SHITM) than the SHITM is shifted to be SHITM in SHITM (SHITM). We employed no empty of the SHITM (SHITM) than the SHITM is shifted for a SHITM (SHITM) than SHITM (SHITM) than the SH

Asid determent fiber mitrogen concentrations the

All delargent fiber consentration (ON bunis) degreesed

Table 5.5. Campy Frantice, Lagar, and about campy nautral delaypent fiber N (NOTE) as a persuadage of

		maspù1.	ng Dete				
Canapy components	2477	4 240-	25	36 2095	Hears	Sant.	CAN T
Zzackies		g morn	kg-1 t	otal s			
85.5	340	654	600	634	613		
11.6	195	723	656	657	645		
566	550	660	666	662	645	200	,
144	665	765	734	493	715		
Hean (19.5	2394	699	6643	4547	(20.0)		
Lecon							
Opper	546	636	639	434	6267		
Lower	655	727	720	666	619		
Heen (25.0	,4 <sup>20455</sup>	712	675	66955	(20-4)	**	

F00 735 676 669

",85 F ± 0.01 and F = 8.65, respective Preplaced mingle of contracts t

data mann own fractions, sequestively.

Sale man over fractions differed from that on a
hopest (F S 00).

# Laplar Smars over dates differed (F g 9.05).

\*\*,00 Stendard array for laper masse over dates and date

as mann over layers, magazinesty.

15 Eath mean over layers differed from that on 4 August (P g 9.85).

decrease on a whole uniony Numbe (Tables 5-1 and 5.4). Over simpling dates, ANY concentration was highest for NoS (41s q pp. 1 mp. and locase for ELI 1851). And determent filter concentration for OLS and LLL were similar and averaged 18s q

to interestin between frection and availing often was subsensed for Mary 9 - 0.1%; Table 30.1% Stropen concernation in ADT tended to be bigher in Section Section 10 to be subsential to the in wise and blue differences was relative within book layers (feats 1.7). Never was not intrement in AMTP Retream layers, and the mean was 1.7 of y to "o" AMT. Sempling dates effects on AMTP was sublice between layers and for whom compare that ADTP was because the compare of the ADTP with ADTP was become on the ADTP with ADTP was become on the ADTP with ADTP was become on the ADTP was become on the ADTP with ADTP was become on the ADTP with ADTP was been applied to the ADTP with ADTP was and the ADTP with ADTP with ADTP was and the ADTP with ADTP was and the ADTP with ADTP with ADTP was and the ADTP with ADTP with ADTP was and the ADTP with ADTP with ADTP with ADTP was and the ADTP with ADTP w

half discipant like it suggested as periodicy of the LOSI of 20 Mars [14] is no exclusion by a solicitud by a formation by a solicitud by a formation in a solicitud by a formation in the solicitud by a solicitud by a formation in the solicitud by a solicitud by

		імпрі.і.	ng Bete				
Cannyy component.	15 July				He ser	CHA	OME!
Truction		9	kg*1 i	Ø			
662	212	289	282	254	265		
EEA	470	186	274	566	365		
566	417	336	335	363	218	**	32
560	429	417	43.6	632	61.6		***
menn [e.e]	4325	267	145	3745	[7.0]#		
Vapor	484	341	376	283	2005		
Lewer	427	434	613	600	415		
Near (9.2)	a <sup>43455</sup>	394	303	386	(7.4)*		
whole excess							
	438	406	266	294 F			

.05 F x 0.01 end 0.005 and 7 > 2.65, respectively.

"", 55 Standard egypts for large mange over dates and

Table 5.7. Canegy fraction, layer, and whol make our country traction, agree, one whole decopy half detayment fater M oppositeation of the linearers

		Emegling Date					
Canagy component	18 July	Ang.	JII Jane	10 sept.	Hess.	ELL.	Oat.
graption		- 4 2	Mary Y	OF			
WAL	3-3	3.2	3.2	1.0	2.2		
958	2.0	2.6	2.1	1.0	2.4		
LLL	3.1	2.2	2.4	2.5	2.4	90	***
12.0	2.4	2.0	1.1	1.9	2-1		160
					14.350		

I Charden arrow for data means over larger.

		Beng31	ng tota	
Conney cooperant	18 313y	Augus	26 Aug.	16 Sept
reaction		4 M20'9 I	g"l total	s
WILE	568*	780	726	380
15.6	1000	1349	115b	1319
EEL	1212-7	150	950	854
144	2270	1899	2664	2004
mr.	15.7	12-5	8-7	11.7
LEYER				
Topec	147	179	103/	200y
Lower	See at	3838	2874	3.43%
EK.	11.4	33.4	8.4	33.0
Whale coppy				
	143	339	337	324 N

Tractice makes without dates introduce by the come

also not different IF 2 0.001.

Since mean within lepsis differed from that on 4 August (F 4 0.05).

especiated with ADF. Mode compay ADFFFF did not differ among analyzing dates (P=0,14), Suble 5.1) and ensured 110  $\times$  10<sup>4</sup>.

second SLA on 28 July and respectful a large reconstitut of for the first through last seculing dates, respectively.

1					Benginian Thinkland		ı		
tions	E	204	HEAL	PERSONAL PROPERTY.	375	УСЕЛ	MERSON	NISTE	ССЕЗВЕТИ
Canoni L	President Application	and and	4						
h	:	:	:	9.094	:	i	1	9.334	0.000
	ŧ	:	ŧ	;	ŧ	i	:	ŧ	ŧ
0 ×	1	0.831	:	4.667	:	0.034	9.174	ž	0,343
NOMEN A	Name Ages, Assirals	lenial							
	9.004	;	ŧ	6,163	190.9	0.80T	i	0.313	8.008
	0.801	i	į	0.004	ŧ	91.0	i	:	0.028
6 ×	0.606	6.154	;	0.111	0.303	9.08	0.133	1.0	6.402
Dale C	Dale Contr. Analysis:	Availan							
	61045	0.00	0.400	667-0 50378 5757 57670	0.00	0.239	0.003	6.000	9.149

	Aughley Date						
Centry component	3107	ang.	rept.	24 2495 -			
Exection.		0 10					
USL.	2-64*	2.79	2.39	0.94			
954	0.79	1.70	0.500	6.5el			
EAL	0.10	6.50	0.70	0.854			
138	2.448	2.34	2-64	2.24			
90	0.15	0-17	0.17	0.14			
Leann							
types	2.2815	2.79	1.3y	1.49			
Merce	2.79	3.3x	3-5x	3.00			
16	0.93	0.50	0-24	0.18			
Khous second							
(0-46)49	4-5**	6.1	2.3	4.4"			

I taker mane within dates followed by the arms.

within a samples date differed from that on

| September (F = 0.05). | Dets seem within layers differed from that on P " both seas within layers outleved from that on P leptonion (F < 0.00). " Name diffuged from that on I deptember (F n 0.05).

For MDF concentration, there was an intermedian harmann fraction and sempling dute  $(F=0.001,~Yah)\times~0.7)$ . Differences in NUF communication by Fraction, Lapar, and

These was a likeworther between Criticine oil samplings and  $\gamma \in C_{\rm coll}$ , resp. 1, pig 8000. With all Precedits, we may account from the first configuration of the the jame state in the part of the part of

[EUTTY] showed no difference maning fractions in LHES although LES include to an Juleau in HERTET Case officer Tractions (Table 0-11). News campy layer North Tanded to be higher than for UL. All fractions were highest in NORTHY for the Clerk ampling date on Contenency HERTET 665 not cliffor maning sampling dates on Kenneyed GG of North No.

Caseyy	sumpling tete				
	24 July	37 Aug.	sept.	Sept.	
Zesetlan		4 pt.	. Bit		
CEA	7070"	7100	7300	71.60	
CHAR	75894	7430	8149	#33a	
52.5	7870	7350	7140	735a	
856	\$3.2mf	83.5±4	8369	033A	
es.	8.3	8-3	8.7	1.2	
Legez					2453
2004T	222	757	784	774	2685
LOWIT	797	805	827	823	83.2
MAD (0.1) F	762**	783**	804	358	[2.4]
While canner					
67.4355	meld	20000	816	210	

are not different at the 2.00 level by DRUT. Data mean within fractions differed from that on 7

		maple	j Dete	
Ossopy component	28 July	Avg.	sept.	28 5100
Executive		- 0 x kp	1 800 ***	
954	29.66*9	37.3ef	24.86	23.6
93.6	9,005	6.80	5.40	4.5
LLL	14.794	12.495	18-69	32.4
134	1.20	4,60	3.86	4.3
88	0.47	0.99	0.34	0.40
Light	34.44517	10.44	1.00	
chhec				- 6
Lower	7.19	5.3y	4.49	
55	0.58	0.81	9,42	9.4
Visite excess				
19.66355	2.4**	7.1	5.4	8.
* Fractice we letter are * Date mean to september ( * Laper means are not sir * The megalin	ame within not differe ithis freet P ; 2.45). within det	Seton fel vi at the come diff	Saved by to 2.63 Lone ared from sed by the	l by Chet

September (F & 4.45). France steel tree that on 7

September (7 5 0.10).

\*\* Rann differed from block on 7 September (7 5 0.05).

## Standard error for whole memory date wasse.

		Scoping Date					
Corney	28 July	AT Rote	5035	Sept.	Meson		
zxastian		d #50	N NOT THE	a) n			
655	644	613	433	593	434*		
T5.0	646	693	554	614	433+		
555	204	523	542	141	6004		
166	677	613	410	624	6508		
Men (14-5)	s cest	412	600	690	(18.7)		
Lague							
Toper	64.6	619	604	690	4339		
Lewis	685	634	425	822	1374		

(14.10\*\*

5.9). Lower layer wice ADF concentration remained raintivals constant over asseller dates and energed one o but reach quarally than USL ANP, but both fractions tanded to increase between layer and sampling data (F = 0.00), Table 9.91 in ACF than 15 ADF for the first and Last empling dates but lawers sampling dates. Whole campy ADF concentration tended to be middle of the senson although assoling data differences were

greater than in 1897 [Table 3.15]. These was an interaction between fraction and married patter [r = 1.10,  $r_{\rm b}$  2.5.7]. Table 3.75, and interaction from the occumentation for this. Our, and LLL tends in the discussion when the volumes 2.0 requirement minimized constant and married  $r_{\rm min} = 1.0$  and  $r_{\rm min} = 1.0$ 

eals 9.14. Casopy Exaction, Joyac, and whole conspy acid determinent filter communication of 9-sk limpogine

component.	39 duty	17 AGE:	Sept.	21 8494.
Exaction	********	à pă_	DR	
WAL.	3550*5	36407	977h	373k
254	14040	42347	4160	32/04/
144	med	39281	697×	397w
XIII	4144	43510	421a	4218
65	8.0	7.1	1814	9.2
Leannix				
typer	1629511	421X	395x	2445
Sever	4.04X	4951	4854	4.00w
at Mode execut	8-7	0.1	7-6	10.2
14,3149	284**	414	486	554**

Date note within fractions differed from that on 7 September (F 5 8.08).

The magnitude of the difference between layure of a compling data different from that on ? September 17 : 5.651.

reptomor (F & 0.00).

Name differed from that on T Jeplanber (P = 0. Stoodord error for whole enemy date manes.

Canapy	Empting Data					
	20 Zely	27 240	Augs.	žě žejt.		
Trustion		- 4 × ×	1-3 NEW			
134	4.54*	4.24	4-04	2,245		
11.6	5.107	2.76	2.40	2.20		
555	6.40	2.74	2.70	2.54		
124	2.16	2.19	2.60	2.49		
EE.	0.24	9.99	9-15	9.22		
Large						
Voger	5. 8x554	3.24	3.04	2.745		
Lower	2.0y	2.94	2.74	2.94		
58	0.20	0.27	0.27	0.12		
Whale_connec						

4 gate mean within fractions differed from blas on

ask and mirrorest [F c 0.00].

The magnitude of the difference between layers within a smalling data different from that on V September

simpling data (F = 0.00), Table 0.9). Within the upper correct layer, above decreased from the first  $(0.9, 9, 93^{-3})$  to here (0.7) smoothly data. Lower layer above was red-(fifteenth hatmens mangining dates and everyopd  $0.0 + 9.07^{-1}$ . Bath datasyant files V occordances on a whole enemy best did not differ between enemyling dates and avaraged  $2.0 + 9.07^{-1}$ .

State by the 3 of Ontologous States Processes and Angular States of States and States an

# Deal content butterent in

Provious did not differ in SPONS among empiling datas and recognition of the SPONS among empiling datas and sciences to Morris Dot all Transitions, Jupius, and the shole among from the first taxongh last empiling data such that SPONS was appreciately twice as creat for the last empiling data empared to the Cipius.

Table 5.16. Owney frustise, Layer, and whole decopy and obtaigned filter F (1878) we a percentage of batal

		1 empli	ng Date				
canogy components	21 July	37 Bugs	Page.	24 Zujc	2013	Sentenni Vil	
Iraction		t YOUR	my" to	Cal F			
OLL	77	79	49	17	*3		
05.8	104	229	137	132	137		
101	**	193	112	95	99		**
3.5.6	172	226	223	296	202		***
3000 [6,7]	,111 <b>1</b>	1295	141	130	(4.93*		
Leann							
Typer	87	100	110	114	Logf		
Lover	140	177	177	197	199		
France (4.4)	all <sup>1489</sup>	334	234	140	[5-5]**		
Whole carry							
(4-1)15	11477	340	169	359			

- P z 0 05, 0.01 and 0.001, respectively.
  Propiation single if contract to test difference is fruition means used datas.
  - #,5 Steederd errors for frection means over 6 forth means over frontiers, respectively.
  - becommer (F & 5.03).

    Leyer means over deten differed (F & 6.03).

    \*\*,fl Stendard errors for layer means over deten and de
  - \*\*, It stendard errors for layer means over detce and de means over layers, respectively.
    - September (F & 0.00)

Acres May Beet, Sept.

114H 182 225 233

then for mill measure the protein or suppressed in a proposition of these or go secured used pressed in \$9.5 Mills. It almost no interaction between Freeties and wasping then (2 - 1.11), which also interaction between Freeties and wasping then (2 - 1.11), which also in the control of the co

## Liamento

# ALTEROSCI. ALMERIAGELIA

call content (tt) true protein H as a percentage of

Cancey component		Swmplls					
	Fally	Mug.	Tops.	24	Name 1	Doct.	Szesi'
Eraction	(9 00	tres pro	Male H	Note to	EeG 90		
433	224	226	175	131	124		
55.0	106	217	177	338	293		
444	100	227	222	133	207	10	10
144	174	112	113	120	141		

196 106 116 161 80

Layer means over dates did not differ (F > 0.05).

to note mass over leyers, respectively.

In this study, sensent twenties in B marrier two sources to such a country (southful when the languages acuted category was purplishess and enabyed to payer and by fraction rather then when energized on white campy lasts, now data there then the databaction of W within a lipsygreen every enemy is a function at 200 ML and not see or concentration and the relation of the relation of the concentration and the relation of the concentration and the relation of the rela

# Posterior Maria

Section Science that there were please by the of largefrequency in our descriptions of unit of all constitutions. We have been seen to be a section of the constitution of the constitut the total Y within land and after fractions and star Women's total it in bronegram has been shown to be second-tild with me to the relative contributions of last and stan to total busines MOPETY. Brown at al. (1987) properted that 500 of the whole plant employ. Between 27 and 318 of the total 2 is MSF (Madella et al., 1985b). Personist syesyess (Estion servence (.) cell wall bee been reported to contain 100 or limpograms has a greater proportion of its N in the NUT

held detergent fiber H concentration for heaf and stam respective form  $\lambda$  to 4 y H by  $^{-1}$  AGY and was similar to that apparately by lenderson and block (fidting for inspecting spreams. However, LTMS) respected that ADYS for from JUDGGGS verifation at al. (LTMS) respected that ADYS for more spreameded approximately 135 of tetal S. Sight-wash to the proper specific properties of the S. Sight-wash to the speciments of the speciments of the S. Sight-wash to the speciments of the S. Sight-wash to the speciments of the speciment

Disputes requests we expected to excellent it is fairly and or a text thereign said in the color of the color

Signature to the interest of the projection in paints a fact is associated vide and valid contracted have eliminate have a video energy basis on a plant part hairs. Our provides actions of the three is non-inclusive switched factorpholics of cold valid-out at Opper layer streets and SMPW were also also by any<sup>2</sup>, which is connectration was cited and list, respectively. Softwareaut to plant parts on will as ministry requestion of plant parts which energy litters against to contribute to this new-outher simply belief the cellity to restricts contain variation in design the cellity to restricts contain variation in design the cellity to restrict an ordinal variation in design and the cellity to restrict the cellity of the cellity to restrict an ordinal variation of the cellity to restrict an ordinal variation in the cellity to restrict an ordinal variation in the proper to contribute the cellity of the cellity to restrict an ordinal variation in the property of the cellity to restrict the cellity of the cellity to restrict an ordinal variation of the cellity to restrict an ordinal variation of the property of the cellity of the c notifies welve may be important when manuscript the

# soll meetings without

verticalize the plant tissue in het water, excepts that only of the total & within such fraction was extincted to be in constant promptiess of CP concentration. Yes Boest (1991) elevificent portion of the total F in lineospecs.

There are few reports on the proportion of true protein in the son-call wall parties of feregae. A enjoy component of the soluble portains in place asturnia is the Equation 3 leef protein, thelipson-j-brightosphota contouplass. Fram.

(1979) soppared that freethm 1 Leaf youtain us account for up to 500 of the tetal last youtain in temperath species. One remain indicate that frontion 1 leaf protein is Liapagness probably accounts for less than 300 of tetal leaf

The objection in this entry were to intersection between the confidence of its containability of its containab

Compared with temperate agenies that how Jess then 10th of total F in the call wall fraction, so to 70th of lappupeaus H is exercised with call wall constituents. A significant measure of this F (\* 200) is bound in an indiparticular flow, settlings in the lawer want of the monon, accounting traction to the lawer want of the monon, accounting tract

whele emergy OP data for lispograms have limited value for accounting systems and an extension of dialog of graphic matthia.

No conduct that there is discovered in the same at a term of the first before it is plugues as entery and that consents within it is a language and that consents within it these attributes in determent. However, there appears in a language is from a distribution with require and a language is from a distribution with require and a stangent and a second, above, in worth perfections on talgegaring animals. A solicit measurement of trajectory are most of the stangent animals and the stangent of the standent of the stangent purpose is a stangent of the standard performance of the standard pe

# CHAPTER 11

promodulity (i.e., were of evaluation) and evaluation in

reliability and the ordependence from network environmental constitutions than a subject the sourceast envirolations of the lapses employees. Machine or any protein supplemental is a souncedully used in this stratest employee forms value, in substitution of the controllation employees the substitution of the substitution of

The resource from desectabilities that from and distribution of spice is indicated that Indeapouts assumate of emuliable proteins may have constrained to the observed sizes in purchasence in seaso of 2 pc. This Indeapout of protein appears to be one such a function of the non-confident distribution of 2 in the swared company, where a larger portion of the tend; is in swared company, where a larger portion of the tend; is in swared confident with the heard when, we is in swared line of terminateristics.

Puttings the sint significant findings in this research were the sense of non-continue of distribution within twent the sense of non-continue of distribution within the sense energy and the relatively fifth proportion of linguistrate of the first time production of the continue of the production of the production of the production of the production of the first time of the production of the first time of the production of the first time of the production of

CP appears to be grate merginel. This may miss be time of other temporal process that have been about to be raintively law in conveni CP concentration, and warrants investigation.

First a consent developable, on the regard has black as with the legislate we save dissufficient assessment of partner forces, result assey structure has printed from the context of the location of location of location of the location of loca

unique chalinopue as a freeque spresentat and insciplis Data the united scientific's perspectives. The operature shallongs has been the assessably obseptive the production of the freezi paint and so the counce conscioustry throughout this research. The Enterties between facts on which has been duty recomplised and approximate. The lat this section's hotised that the information that beings approximate and animal sectorities should be privated with our destroitation.

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> July E Marry Tune E Nove Professor of Animal Science

This clearitation was submitted to the Strikerie receiving the College of Apricalization and to the General School and was accepted so partial Initializate of the conficements for the degree of Desire of Philamegic,

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